GROWTH, DEVELOPMENT AND AGING

VOLUME 54, NUMBER 1 & 2 SPRING & SUMMER 1990

TABLE OF CONTENTS

Purposes and Policies of GDA 2
DAVID E. HARRISON

Editorial Introduction: Prostate Cancer 3
DAVID E. HARRISON

Editorial: Natural Selection and the Endocrinology of Prostatic Cancer: Aging's Debts from a Fit Youth 3
GEORGE T. TAYLOR

A Workshop Summary: Should Mice Be Selected for Postponed Aging? 7
MICHAEL R. ROSE

Response to the Workshop Summary: Should Mice Be Selected for Longevity? 16
DAVID E. HARRISON

Loss of Limb Regenerative Capacity During Postmetamorphic Growth in the Tree Frog, *Hyla arborea japonica* 17
SHINGO KURABUCHI

Brain and Body Growth and Allometry in the Mongolian Gerbil *(Meriones unguiculatus)* 23
THERESE CABANA, PIERRE JOLICOEUR, and GEORG BARON

Thymidine and Somatomedin-Like Activity of Fetal Pig Sera: Effect of Fetal Decapitation 31
ROBERT H. McCUSKER and DENNIS R. CAMPION

Light Deprivation Retards the Growth of the Diethylstilbesterol-Induced Renal Tumor in Hamsters 39
JOY L. LOGAN and BRYANT BENSON

The Measurement of Milk Intake in the Neonatal Guinea Pig 45
LAWRENCE T. WEAVER and SUSAN B. ROBERTS

Stimulation of Food Intake and Growth of Swine by Cholecystokinin Immunization 51
JEROME C. PEKAS and WILLIAM E. TROUT

Bibliography: Growth and Embryonic Development and Aging 57
NATIONAL LIBRARY OF MEDICINE

GROWTH, DEVELOPMENT AND AGING

VOLUME 54, NUMBER 3 FALL 1990

TABLE OF CONTENTS

Purposes and Policies of Growth, Development & Aging 73
DAVID E. HARRISON

Goodbye, Gairdner 75

Reduced Mature Size in Progeny of Swine Severely Restricted in Protein Intake During Pregnancy 77
WILSON G. POND, JONG-TSENG YEN, HARRY J. MERSMANN, and RALPH R. MAURER

Proportion of Necrosis in Transplanted Murine Adenocarcinomas and Its Relationship to Tumor Growth 85
GERALDINE M. BAKER, HELEN L. GODDARD, MARTIN B. CLARKE, and WILLIAM F. WHIMSTER

***In Vivo* Effects of Biosynthetic Chicken Growth Hormone in Broiler-Strain Chickens** 95
COLIN G. SCANES, TERESA AUST PETERLA, SIDNEY KANTOR and CATHERINE A. RICKS

A New Radiological Method for Assessing Long Bone Growth in the Small Laboratory Animal 103
MARTIN C. LYNCH and JOHN F. TAYLOR

Growth of Organs and Tissues in Carp (*Cyprinus carpio* L.) Larvae 109
HELENE ALAMI-DURANTE

Growth Analysis in Two Lines of Rats and Their Reciprocal F_1 Crosses Under Two Nutritional Environments. Heterosis for Body Weight and Maturing Rate 117
R.J. DI MASSO, A.M. RUCCI AND M.T. FONT

Effects of Paternal and Maternal Malnutrition on Growth of Offspring in Rats 125
ERNEST L. ABEL

Book Review: *Animal Growth Regulation*. Dennis R. Campion, Gary J. Hausman, Roy J. Martin, editors 130
WILSON G. POND

GROWTH, DEVELOPMENT AND AGING

VOLUME 54, NUMBER 4 WINTER 1990

TABLE OF CONTENTS

Purposes and Policies of GDA 134
DAVID E. HARRISON

Reducing Bias in Estimates of the Richards Growth Function Shape Parameter 135
D. ARCHIBALD McCALLUM, and PHILIP M. DIXON

The Effect of Clenbuterol Administration *In Utero* and Throughout Lactation on Pre- and Post-Natal Muscle Development in the Rat 143
C. A. MALTIN, M. I. DELDAY and S. M. HAY

***Y*-Chromosomal Influences on Renal and Adrenal Measures in Mice** 151
J. H. F. VAN ABEELEN, H. J. LEENDERS and W. A. J. G. LEMMENS

On a Growth Model of Human Height 155
K. KANEFUJI and T. SHOHOJI

Melatonin Increases Serum Growth Hormone and Insulin-like Growth Factor I (IGF-I) Levels in Male Syrian Hamsters Via Hypothalamic Neurotransmitters 165
JERRY VRIEND, M. SUZANNE SHEPPARD and KATARINA T. BORER

Ultrastructural Comparison Between Regenerating and Developing Hindlimbs of *Xenopus laevis* Tadpoles 173
PAUL A. KHAN and RICHARD A. LIVERSAGE

Changes in Growth Patterns in Mouse Condylar Cartilage Associated with Skeletal Maturation and Senescence 183
ERELLA LIVNE, ANNA WEISS and MICHAEL SILBERMANN